

<b>Exhibit P-40, Budget Item Justification Sheet</b>								Date: February 2004				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)						P-1 Item Nomenclature: LONG RANGE RADAR SYSTEM						
Program Elements: 0206118M Tactical Air Control Systems (Marine Corps)				Code: A	Other Related Program Elements:							
	Prior Years*			FY 2003*	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	16.5			0.0	18.1	24.5	7.5	11.9	38.9	50.6	0.0	168.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	16.5			0.0	18.1	24.5	7.5	11.9	38.9	50.6	0.0	168.0
Initial Spares	0.0			0.0	1.9	1.0	1.3	0.7	1.6	2.2	0.0	8.8
Total Proc Cost	16.5			0.0	20.0	25.5	8.8	12.6	40.6	52.8	0.0	176.8
Flyaway U/C												
Wpn Sys Proc U/C												

The AN/TPS-59 funding profile includes radar modifications which improve mean time between failure rates and enhanced performance characteristics and upgrades obsolete/Diminishing Manufacturing Resources. The AN/TPS-59 radar upgrade provides three-dimensional long range surveillance and detection against air-breathing targets and theater ballistic missiles. It provides launch/impact point and cueing information to other theater missile defense systems. The new mobility antenna will greatly reduce the footprint of the system allowing a more versatile role in expeditionary warfare.

The AN/TPS-59 radar program is following a two-phased acquisition approach, including both sustainment and modernization efforts. The sustainment initiative will address operational equipment readiness deficiencies by refurbishing and sustaining 5 of the 11 current systems. The sustainment effort will allow 3 active (1 per MEF), 1 supporting and 1 reserve unit to have a system with current technology, while improving equipment readiness, extending the overall system life cycle, and reducing the radars' overall operating cost. The remaining 6 radars will transition during the modernization effort. PMC funding for the modernization Highly Expeditionary Long Range Air Surveillance Radar (HELRASR) initiative will begin in FY08.

\*Prior to FY04, funding for AN/TPS-59 was under the roll-up line Modification Kits MAGTF C4I BLI 463600.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)					P-1 Line Item Nomenclature: LONG RANGE RADAR SYSTEM		Weapon System Type:		Date: February 2004		
Weapon Svstem Cost Elements	ID CD				FY 03			FY 04			FY 05		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/TPS-59 Sustainment													
Transmitters								8471	108	78435	8535	108	79028
Radar Environmental Simulator											4090	3	1363333
Receiver								3996	108	37000	3996	108	37000
Power supply								2214	54	41000	2214	54	41000
Integrated Logistics support											825		
I860 Processor replacement								3396	8	424500	4806	12	400500
TOTAL								18077			24466		
ACTIVE								17460			23446		
RESERVE								617			1020		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)						P-1 Line Item Nomenclature: LONG RANGE RADAR SYSTEM			Weapon System Type:		Date: February 2004	
Weapon Svstem Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09			
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	
AN/TPS-59 Sustainment														
Transmitters		4284	54	79333	2882	34	84765							
Receiver		1947	54	36056	1563	41	38122							
Power supply		1230	30	41000	788	20	39400							
Mode 5/S IFF Upgrade					6700	44	152273							
AN/TPS-59 Modernization (HELRASR)														
Radar Antenna								35574	2	17787000	50564	3	16814333	
Integrated Logistics Support								659						
Training								1800						
Test Equipment								900						
TOTAL		7461			11933			38933			50564			
ACTIVE		7461			10717			37548			49027			
RESERVE					1216									

Exhibit P-5a, Budget Procurement History and Planning									Date: February 2004	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)				Weapon System Type:		P-1 Line Item Nomenclature: LONG RANGE RADAR SYSTEM				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail?	Date Revsn Avail	RFP Issue Date
AN/TPS-59										
Transmitters										
FY 04	Lockheed Martin Corp, Syracuse	FFP/CPFF	MARCORSYSCOM	Nov-03	Sep-04	108	78435	Yes	N/A	N/A
FY 05	Lockheed Martin Corp, Syracuse	FFP/CPFF	MARCORSYSCOM	Nov-04	Sep-05	108	79028	Yes	N/A	N/A
<b>REMARKS:</b> Contract for FY 04 and 05 has already been exercised.										

<b>Exhibit P-20, Requirements Study</b>				Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)				Date: February 2004													
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): LONG RANGE RADAR SYSTEM				Admin Leadtime (after Oct 1): 2 MONTHS				Prod Leadtime: 10 MONTHS													
<b>Line Descriptions:</b>				AN/TPS-59		Transmitters		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009	
Buy Summary										108		108		54		34					
Unit Cost										78.4		79.0		79.7		85.3					
Total Cost										8471.0		8535.0		4303.0		2900.0					
Asset Dynamics																					
Beginning Asset Position										28		46		163		271		318		361	
Deliveries from:				FY 2004		Funding				18		90									
Deliveries from:				FY 2005		Funding						27		81							
Deliveries from:				FY 2006		Funding								27		20					
Deliveries from Subsequent Years Funds																27		43			
Other Gains																					
Combat Losses																					
Training Losses																					
Test Losses																					
Other Losses																					
Disposals/Retirements/Attritions																					
End of Year Asset Position										46		163		271		318		361		361	
Inventory Objective or Current Authorized Allowance																					
Inventory Objective		Actual Training		Other than Training		Disposals		Vehicles Eligible		Aircraft:											
361		Expenditures		Usage		(Vehicles/Other)		for Replacement		TOAI											
Assets Rqd for		thru		thru		thru		FY 2004		PAA:											
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 2005		TAI											
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		Augment		Attrition Res											
Pipeline:		FY XXXX		FY XXXX		FY XXXX				BAI											
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv											
Total:										Storage											
<b>Remarks:</b>																					

[illegible]

[illegible]